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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,335	12/12/2001	Edward O. Clapper	884.608US1	1740
21186	7590	09/16/2004	EXAMINER	
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402			CHEN, PO WEI	
		ART UNIT		PAPER NUMBER
		2676		8
DATE MAILED: 09/16/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/020,335	CLAPPER, EDWARD O.
	Examiner Po-Wei (Dennis) Chen	Art Unit 2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 27 May 2004.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1,3-46 and 48 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1, 3-46 and 48 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_

## DETAILED ACTION

In response to an Amendment received on May 27, 2004. This action is non-final.

Claims 1, 3-46 and 48 are pending in this application. Claims 1, 8, 15 and 22 are independent claims.

The present title of the invention is "Security System and Method for Visual Display".

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 8-9, 15-16, 22-23, 29 and 46 are rejected under 35 U.S.C. 102(b) as being anticipated by Masumoto et al. (US 2002/0036652; refer to as Masumoto herein).

3. Regarding claim 1, Masumoto discloses a display device comprising:

Preparing data for display on a display, the data comprising at least one data attribute selected from the group consisting of font, paragraph, page, document, user name, user location, device name, time, style name, data type, text, field, file name, cell, size, shape, angular orientation, and position; modifying the data to form modified data, responsive to a value of the at least one data attribute; and displaying the modified data on the display, the modified data having reduced legibility (pp 0062-0065, 0070 and 0088-0093 and Fig. 11-19; it is noted that the data is being modified by changing its color to be the same as background color according to the data attribute such as font. The modified data is invisible when display corresponds to legibility being reduced).

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4. Regarding claims 8-9, 15-16 and 22-23, as statements presented above, with respect to claim 1 are incorporated herein. Also see pp 0116-0117 of Masumoto. Furthermore, Masumoto discloses that the data attribute such as font is used to specified if the data should be modified (pp 0062-0065, 0070 and 0088-0093 and Fig. 11-19).

5. Regarding claim 29, Masumoto discloses a display device comprising:

At least one data attribute is selected from the group consisting of font size, font type, font color, boldface, italics, and underlining (pp 0079 and 0088-0089 and Fig 12 and 15).

6. Regarding claim 46, statements presented above, with respect to claim 1 are incorporated herein.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 3-7, 10-14, 17-21, 24-28 and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over Masumoto et al. (US 2002/0036652; refer to as Masumoto herein) as applied to claims 1, 8, 15 and 22 above, and further in view of Parikh et al. (US 5,801,697; refer to as Parikh herein).

9. Regarding claims 3-5, Masumoto does not disclose unmodifying the modified data to form unmodified data; and displaying the unmodified data on the display, the unmodified data being legible; in unmodifying, the data is unmodified in accordance with a control signal from a user interface element from the group comprising a cursor position, a pointing device, a key, a

button, a screen menu, a screen icon, a microphone, a touch sensitive screen, or a combination thereof; in displaying, the modified data is blurred. Parikh discloses a method for security enhancement for computer display utilizing the method (line 39 of column 2 to line 50 of column 3 and Fig. 2 and 5; it is noted that the data is being modified (obscured) and unmodified (visible) depending on the input from various devices). It would have been obvious to one of ordinary skill in the art to utilize the teaching of Parikh to provide the advantage of reducing or eliminating the problem of exposing valuable information to others on a display. Both Masumoto and Parikh are directed to method of modifying display data to prevent others from viewing.

10. Regarding claim 6, as statements presented above, with respect to claim 2 are incorporated herein. It is noted that by modifying the data to be visible or blurry corresponding to different degree of blurring (lines 42-53 of column 2, Parikh).

11. Regarding claim 7, as statements presented above, with respect to claim 4 are incorporated herein. Furthermore, Parikh discloses modifying the degree of blur according to the user selection (lines 42-53 of column 2 and 10-32 of column 3). It is noted that by modifying the data to be visible or blurry corresponding to different degree of blurring.

12. Regarding claims 10-14, 17-21 and 24-28, as statements presented above, with respect to claims 3-8 are incorporated herein.

13. Regarding claim 48, as statements presented above, with respect to claim 5 are incorporated herein.

14. Claims 30-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Masumoto et al. (US 2002/0036652; refer to as Masumoto herein).

15. Regarding claims 30-45, Masumoto does not teach specific common data attributes such as paragraph line spacing, the group consisting of page number and page type, document name, document type, user name, user location, device name, calendar data, time of day, type of formatting style, group consisting of text data, currency data, and numerical data, a text type selected from the group consisting of a keyword and a character string, a database field, a file name, a spreadsheet cell, a computer-generated graphical image, and wherein the at least one data attribute is selected from the group consisting of color of the image, size of the image, shape of the image, angular orientation of the image, intensity of the image, and position of the image, a computer-processed pre-existing image, and wherein the at least one data attribute is selected from the group consisting of color of the image, size of the image, shape of the image, angular orientation of the image, intensity of the image, and position of the image.

However, such data attributes as broadly claimed are each well known in the prior art and each are capable of being used by Masumoto so therefore this recitation is viewed as merely directed towards an “OBVIOUS INTENDED USE” of the data being modified because Masumoto must use one of the data attributes sited and one is motivated to use one or the other based on environment and type of data of operation. The fact that so many data attributes are claimed may suggest that the specific data attribute being used to modify the data is not critical to practice of the apparatus.

***Response to Arguments***

16. Applicant's arguments with respect to claims 1, 3-46 and 48 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

17. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Lesk (US 5,905,505) discloses a method for modifying display data to reduce legibility.

Goren et al. (US 2001/0026248) discloses a method for providing visual display security by rendering the display window unreadable to human eye.

***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Po-Wei (Dennis) Chen whose telephone number is (703) 305-8365. The examiner can normally be reached on Monday-Thursday from 8:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew C Bella can be reached on (703) 308-6829. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Po-Wei (Dennis) Chen  
Examiner  
Art Unit 2676

Po-Wei (Dennis) Chen  
September 13, 2004



MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600